

Application Serial No. 10/679,975  
Response to Office Action of 8 February 2005

### **LISTING OF CLAIMS**

1. **(currently amended)** An electronic display for presenting data from a vertical speed source aboard an aircraft, wherein said display comprises:
  - a fractional section of ~~[[a]]~~ an arcuate vertical speed indicator scale; and
  - a vertical speed indicator marker ~~that shows the vertical speed of the aircraft as indicated by the vertical speed source;~~
  - ~~wherein said vertical speed indicator scale is non-linear;~~
  - ~~wherein said vertical speed indicator marker shows the vertical speed of said aircraft as indicated by said vertical speed source; and~~
  - wherein said fractional section has non-linear ~~of said vertical speed indicator scale shows graduations marked thereon on said part of said fractional section of said vertical speed indicator scale~~ in the vicinity of said vertical speed indicator marker.
2. **(original)** The electronic display of claim 1, wherein said vertical speed indicator scale is elliptically shaped.
3. **(original)** The electronic display of claim 1, wherein said vertical speed indicator marker shows a vertical speed trend.
4. **(original)** The electronic display of claim 1, wherein said vertical speed indicator marker shows a vertical speed trend by its motion to replicate the motion of an analog instrument.
5. **(original)** The electronic display of claim 1, wherein said vertical speed indicator marker is comprised of a pointer.
6. **(original)** The electronic display of claim 1, wherein said vertical speed indicator marker is comprised of a numeric display.

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**7. (original)** The electronic display of claim 1, wherein said vertical speed indicator marker is comprised of a pointer and a numeric display.

**8. (cancelled)**

**9. (currently amended)** The electronic display of claim 1, wherein said fractional section of said vertical speed indicator scale always shows an indicium indicia for a value of 0 (zero) vertical speed.

**10. (original)** The electronic display of claim 1, wherein said vertical speed indicator marker is comprised of a digital readout of the vertical speed of said aircraft.

**11. (original)** The electronic display of claim 10, wherein said digital readout of the vertical speed is bounded by the range of  $\pm 9999$  feet per minute.

**12. (original)** The electronic display of claim 1, additionally comprising TCAS resolution advisory indicators along a periphery of said vertical speed indicator scale

wherein said TCAS resolution advisory indicators are shown during a TCAS resolution advisory condition.

**13. (original)** The electronic display of claim 12, wherein said TCAS resolution advisory condition triggers an increase in size of said electronic display.

**14. (cancelled)**

**15. (original)** The electronic display of claim 12, wherein said TCAS resolution advisory indicators are comprised of red marks and green marks.

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**16. (original)** The electronic display of claim 1, additionally comprising a vertical speed bug having a shaped indicator in a position inside of said fractional section of said vertical speed indicator scale,

wherein said vertical speed bug indicates a selected vertical speed value.

**17. (original)** The electronic display of claim 16, wherein said vertical speed bug points to a location on said fractional section of said vertical speed indicator scale equivalent to said selected vertical speed value.

**18. (original)** The electronic display of claim 16, wherein said vertical speed bug points to a location on an edge of said fractional section of said vertical speed indicator scale when said selected vertical speed value is outside the range of values shown by said fractional section of said vertical speed indicator scale; and

wherein said shaped indicator of said vertical speed bug changes to provide a visual cue.

**19. (original)** The vertical speed bug of claim 18, wherein said shaped indicator changes to one-half of its original shape to provide said visual cue.

**20. (currently amended)** An electronic display for presenting data from a vertical speed source aboard an aircraft, wherein said display comprises:

a fractional section of a vertical speed indicator scale; and

[[a]] an elliptically shaped vertical speed indicator marker, showing a vertical speed of the aircraft as indicated by the vertical speed source; [[.]]

~~wherein said vertical speed indicator scale is non-linear;~~

~~wherein said vertical speed indicator scale is elliptically shaped~~

wherein said fractional section of a vertical speed indicator scale shown by said electronic display will change relative to the vertical speed depicted by said vertical speed indicator marker,

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~~wherein said vertical speed indicator marker shows the vertical speed of said aircraft as indicated by said vertical speed source;~~

wherein said vertical speed indicator marker comprises ~~is comprised of~~ a pointer and a digital numeric display; and

wherein said fractional section of said vertical speed indicator scale shows non-linear graduations marked thereon ~~on said part of said fractional section of said vertical speed indicator scale~~ in the vicinity of said vertical speed indicator marker.

**21. (currently amended)** The electronic display of claim 20, wherein said vertical speed indicator marker is shown equidistant between an upper value and a lower value on said fractional section of said vertical speed ~~rate~~ scale.

**22. (cancelled)**

**23. (original)** The electronic display of claim 20, wherein said wherein said digital readout of the vertical speed is bounded by the range of  $\pm 9999$  feet per minute.

**24. (original)** The electronic display of claim 20, additionally comprising TCAS resolution advisory indicators along a periphery of said vertical speed indicator scale,

wherein said TCAS resolution advisory indicators are shown during a TCAS resolution advisory condition.

**25. (original)** The electronic display of claim 24, wherein said TCAS resolution advisory condition triggers an increase in size of said electronic display.

**26. (cancelled)**

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- 27. (original)** The electronic display of claim 24, wherein said TCAS resolution advisory indicators are comprised of red marks and green marks.
- 28. (currently amended)** The electronic display of claim 20, wherein said vertical speed indicator marker is shown parked at the edge of said fractional section of said vertical speed ~~rate~~ scale when said vertical speed source indicates said vertical speed of said aircraft is  $\pm 6000$  feet per minute.
- 29. (currently amended)** The electronic display of claim 28, wherein said fractional section of said vertical speed ~~rate~~ scale shows a maximum indicia of either  $+6000$  feet per minute or  $-6000$  feet per minute.
- 30. (original)** The electronic display of claim 28, wherein said digital numeric display is bounded by  $\pm 9999$  feet per minute.
- 31. (currently amended)** The electronic display of claim 28, wherein said fractional section of said vertical speed ~~rate~~ scale shows an indiciu ~~indicia~~ for 0 (zero) feet per minute.